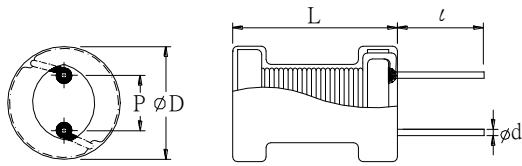


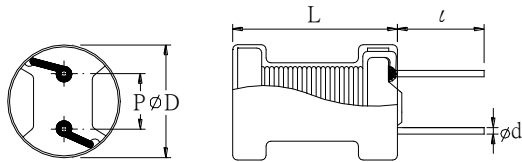
Radial Peaking Coils-CD285

EXTERNAL DIMENSIONS

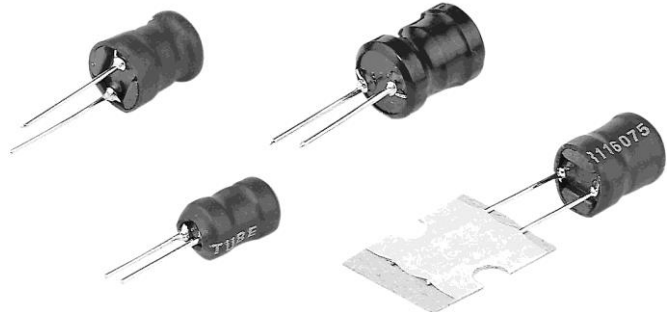
(Unit: m/m)



(Fig. 1)



(Fig. 2)



Type	L(Max.)	ΦD Max.	± 2		Φd ± 0.05	P ± 0.5	Fig No.
			Bulk	Taping			
CD285	8.0±1.5	6.0±1.5	15Min.	25	0.65	5	1

Part Number	Inductance L @ 1KHz (μH)	Q Min.	Self-Resonant Frequency (MHz)Min.	DC Resistance (Ω)Max.	Rated DC Current (mA)Max.
CD285*1R0□US	1.0	15 @ 7.96MHz	105	0.022	800
CD285*1R2□US	1.2	15 @ 7.96MHz	100	0.023	790
CD285*1R5□US	1.5	15 @ 7.96MHz	90	0.026	780
CD285*1R8□US	1.8	15 @ 7.96MHz	80	0.028	770
CD285*2R2□US	2.2	15 @ 7.96MHz	77	0.030	760
CD285*2R7□US	2.7	15 @ 7.96MHz	52	0.034	750
CD285*3R3□US	3.3	15 @ 7.96MHz	45	0.037	740
CD285*3R9□US	3.9	15 @ 7.96MHz	45	0.038	730
CD285*4R7□US	4.7	15 @ 7.96MHz	32	0.042	720
CD285*5R6□US	5.6	15 @ 7.96MHz	28	0.047	710
CD285*6R8□US	6.8	15 @ 7.96MHz	25	0.052	700
CD285*8R2□US	8.2	15 @ 7.96MHz	24	0.060	690
CD285*100□US	10	20 @ 2.52MHz	20	0.067	680
CD285*120□US	12	20 @ 2.52MHz	20	0.072	670
CD285*150□US	15	20 @ 2.52MHz	18	0.082	660
CD285*180□US	18	20 @ 2.52MHz	15	0.085	650
CD285*220□US	22	20 @ 2.52MHz	13	0.105	640
CD285*270□US	27	20 @ 2.52MHz	12	0.118	630
CD285*330□US	33	20 @ 2.52MHz	10	0.132	620
CD285*390□US	39	20 @ 2.52MHz	10.0	0.195	500

NOTE: □Tolerance value : K = ±10%, M = ±20%, N = ±30%.

DIP

Radial Peaking Coils-CD285

Part Number	Inductance L @ 1KHz (μH)	Q Min.	Self-Resonant Frequency (MHz)Min.	DC Resistance (Ω)Max.	Rated DC Current (mA)Max.
CD285*470□US	47	20 @ 2.52MHz	7.5	0.215	450
CD285*560□US	56	20 @ 2.52MHz	7.5	0.230	430
CD285*680□US	68	20 @ 2.52MHz	7.0	0.265	410
CD285*820□US	82	20 @ 2.52MHz	6.5	0.330	390
CD285*101□US	100	20 @ 0.796MHz	6.0	0.350	370
CD285*121□US	120	20 @ 0.796MHz	5.0	0.525	320
CD285*151□US	150	20 @ 0.796MHz	4.5	0.600	300
CD285*181□US	180	20 @ 0.796MHz	4.0	0.725	280
CD285*221□US	220	20 @ 0.796MHz	4.0	0.990	260
CD285*271□US	270	20 @ 0.796MHz	3.8	1.280	200
CD285*331□US	330	20 @ 0.796MHz	3.5	1.450	180
CD285*391□US	390	20 @ 0.796MHz	3.3	1.700	170
CD285*471□US	470	20 @ 0.796MHz	3.3	2.750	160
CD285*561□US	560	20 @ 0.796MHz	2.6	3.000	150
CD285*681□US	680	20 @ 0.796MHz	2.4	3.300	140

Test Equipment

- Inductance & Q are measured with HP-4284A or equiv.
- SRF is measured with ML-2770 or equiv.
- DCR is measured with CH-502A or equiv.
- Rated DC current is measured with HP-42841A or equiv.

Characteristics

- Inductance tolerance.....±10%(Standard)
- Temperature rating.....-25°Cto +85°C
- Rated current..... Inductance drop by 10%
- Terminal tensile strength.....1.0 Kg min.
- Terminal bending strength.....0.3 Kg min

Features

- Ideal as a choke coil for noise filtering and DC to DC converter application.
- Covered with PVC or UL shrink tubing

Applications

- TV and Audio equipment
- Buzzers and Alarm systems
- Switching power supplies
- Other noise filters.